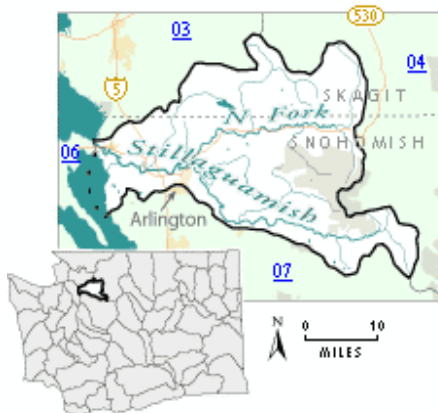


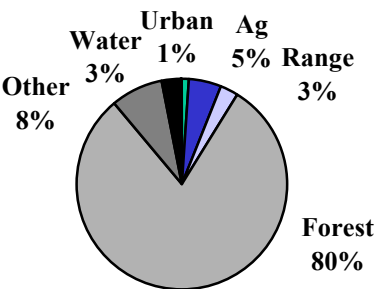
Stillaguamish Basin - WRIA #5



WRIA #5 is located in northern end of Puget Sound and is part of the Puget Sound Lowlands. The drainage area is about 459,938 acres. the average annual precipitation is 69 inches per year.

Demographics

Land use in the Stillaguamish



Land Base (in acres)

Federal	176,178	38.3%
State	71,659	15.6%
Local	-0-	-0-
Tribal	101	.02%
Private	212,000	46.1%

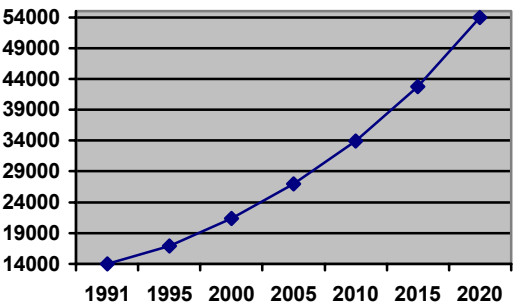
Principal Economic Activity (as total wages)

Agriculture/Forestry	2%
Construction	6%
Manufacturing	28%
Retail	19%
Services	19%
Government	15%

Population

There are approximately 22,955 people living in the Stillaguamish Basin. The primary population center is Arlington. The majority of people live in unincorporated areas.

Projected population trends



Counties

Snohomish (73%)
Skagit (27%)

Special purpose districts

Conservation Districts: Snohomish; Skagit
Drainage District #7
Snohomish County Clean Water District
Stillaguamish Flood Control District

Principal Cities

Arlington
Granite Falls
Stanwood

Reservation Lands

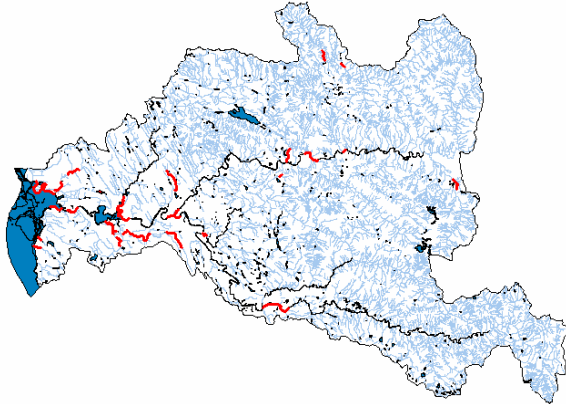
Stillaguamish Tribe

General Landscape

Rolling moraines and foothills, floodplains and meandering rivers characterize the lower Skagit. Surface material is very gravelly sandy loam. Potential natural vegetation is western hemlock, western red cedar, red alder, and some Douglas fir. Mean temperature is 36/46° (winter) to 52/62° (summer).

Surface Water Quality

303(d) listed waterbodies



1. 303(d) Listed Problem Areas

Fecal Coliform in Fish Creek, Harvey Creek, Jim Creek, Jorgenson Slough, Martha Lake Creek, Old Stillaguamish River, Port Susan, Portage Creek, Stillaguamish River, and unnamed creek WDF 05.0456

High Temperature in Deer Creek, Higgins Creek, Little Deer Creek, Pilchuck Creek, and Stillaguamish River

Dissolved Oxygen in Pilchuck Creek, Portage Creek and Stillaguamish River

pH in Stillaguamish River

Metals in Stillaguamish River

Pesticides in Stillaguamish River

Nutrients in Stillaguamish River and Sunday Lake

Turbidity in Portage Creek

Total Maximum Daily Loads

3 TMDLs required from the 1998 303(d) list

2. Impacted Beneficial Uses

Groundwater Quality

Nitrates – Low risk of contamination
- Levels detected > 10 mg/L

Pesticides – Have been detected in public wells.

Water Quantity

Flows not set; growth pressure

Air Quality
(From windblown dust)
No concerns

Public Health
Commercial Shellfish Growing Areas
Areas impaired

Domestic Water Supply
Within this WRIA are large community water systems that significantly utilize surface water sources.

Salmonid Stock Status
Threatened

3. Water Quality Programs

1. TMDL for Stillaguamish River
2. TMDL for Portage Creek
3. US Forest Service Northwest Forest Plan
4. On-site System Education, Snohomish County Health/Stillaguamish Implementation & Review Committee
5. Snohomish County Ground Water Management Plan, Snohomish County
6. Stillaguamish Basin Restoration and Monitoring, Snohomish County
7. Stillaguamish Watershed Coordinator, Snohomish County
8. Stillaguamish Watershed Steward Program, Snohomish County
9. Native Plant Restoration & Monitoring, Snohomish County
10. Outreach & Education, Snohomish County
11. Stormwater Management Plan, Snohomish County
12. Pollution Complaint Investigation, Snohomish County
13. Riparian & Wetland Acquisition & Protection, Snohomish County
14. Stillaguamish Comprehensive Flood Hazard Management Plan, Snohomish County
15. Water Quality monitoring programs, Snohomish County and Stillaguamish Tribe

16. Snohomish County Shoreline Inventory Outreach, Snohomish County Surface Water Management
17. Rapid Shoreline Inventory Program, People for Puget Sound
18. NWSC Nearshore Habitat Inventory & Evaluation, Northwest Straits Commission
19. Puget Sound Indicator Project (PSH 2002), PSAT
20. Fecal Coliform & Paralytic Shellfish Poisoning Monitoring (Puget Sound Ambient Monitoring Program – PSAMP), DOH
21. Salmon & Steelhead Inventory & Assessment Program, WDFW
22. Washington State ShoreZone Inventory, DNR/Coastal & Ocean Resources
23. Digital Coastal Atlas, DOE
24. Estuarine Health Indicator Project, PSWQAT
25. Biotoxins Monitoring Program, DOH
26. Commercial Shellfish Growing Area Classification Program, DOH
27. Recreational Shellfish Program, DOH
28. Fish Friendly BMPs Program, Snohomish CD
29. Small Farm Program, Snohomish CD
30. Dairy Nutrient Management Program, Snohomish CD